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PATENT  
ATTORNEY DOCKET: 46884-5271

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
Tadataka EDAMURA et al. ) Confirmation No.: 3944  
)  
Application No.: 10/776,615 ) Group Art Unit: 2828  
)  
Filed: February 12, 2004 ) Examiner: Marcia A. Golub  
)  
For: QUANTUM CASCADE LASER )

Commissioner for Patents  
U.S. Patent and Trademark Office  
**Customer Window, Mail Stop Amendment**  
Alexandria, VA 22314

Sir:

**AMENDMENT TRANSMITTAL FORM**

1. Transmitted herewith is an Amendment in response to the Office Action dated May 1, 2007.

2. Additional papers enclosed:

- ☒ Submission of Replacement Drawing Sheets
- ☒ Replacement Drawing Sheets: 19 sheets with 21 figures
- ☐ PTO Form 1449
- ☐ Citations
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

3. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

☐ Applicants believe that no extension of time is required. However, this conditional petition is being made to provide for the possibility that Applicants have inadvertently overlooked the need for a petition and fee for extension of time.

☒ Applicants petition for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a), for the total number of months checked below:

<u>Total Months Requested</u>	<u>Fee for Extension</u>	<u>[Fee for Small Entity]</u>
<input checked="" type="checkbox"/> one month	\$ 120.00	\$ 60.00
<input type="checkbox"/> two months	\$ 450.00	\$ 225.00
<input type="checkbox"/> three months	\$ 1,020.00	\$ 510.00
<input type="checkbox"/> four months	\$ 1,590.00	\$ 795.00

Extension of time fee due with this request: \$120.00

If an additional extension of time is required, please consider this a Petition therefor.

4. Constructive Petition

☒ **EXCEPT** for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0573. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

5. Fee Calculation (37 C.F.R. § 1.16)

CLAIMS AS AMENDED						
	Claims Remaining After Amendment		Highest No. Previously Paid	Present Extra	at Rate of	Total Fees
Total Claims (37 C.F.R. § 1.16(c))	10	minus	20	0	x \$50 each =	+ \$0.00
Independent Claims (37 C.F.R. § 1.16 (b))	3	minus	3	0	x \$200 each =	+ \$0.00
[ ] First presentation of Multiple dependent claim(s)					\$360.00	+ \$0.00
SUB-TOTAL =						\$0.00
Reduction by ½ for filing by a small entity						- \$0.00
TOTAL FEE =						\$0.00

6. Fee Payment

- ☐ No fee is to be paid at this time.
- ☒ Enclosed is a check in the amount of \$120.00 for the one-month extension of time fee.
- ☐ The Commissioner is hereby authorized to charge \_\_\_\_\_ to Deposit Account No. 50-0573 for the \_\_\_\_\_ fee.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, including fees due under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account 50-0573.

Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**


Paul A. Fournier  
Registration No. 41,023

Dated: August 31, 2007

**Customer No. 055694**  
**DRINKER, BIDDLE & REATH LLP**  
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**SUBMISSION OF REPLACEMENT DRAWING SHEETS**

Filed herewith are nineteen (19) replacement sheets of patent drawings containing twenty-one (21) figures. It is requested that these drawings be approved and made part of the official record in the above-identified patent application.

The attached Replacement Drawing Sheets, which include all of the Figs. 1-21 in this application, replace the previously filed-drawings sheets. In these Replacement Drawing Sheets, Figs. 3, 11-13 and 15 have been amended to include the legend "PRIOR ART" in response to the objection to the drawings in the Office Action.

It is respectfully submitted that this change introduces no new matter as it conforms to the specification and/or drawings as originally filed, pursuant to 37 C.F.R. § 1.81(d).

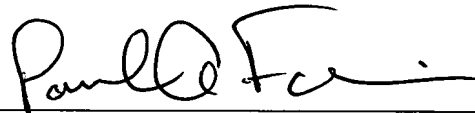
If there are any fees due in connection with the filing of these drawings, please charge the fees to our Deposit Account No. 50-0573. If a fee is required for an extension and the fee should also be charged to our Deposit Account.

Respectfully submitted,

**DRINKER BIDDLE & REATH LLP**

Dated: August 31, 2007

By:



Paul A. Fournier

Reg. No. 41,023

**Customer No. 055694**

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